cass allen

Architectural & Environmental Acousticians
Noise & Vibration Engineers

Holloway Park, London

Construction Monitoring Report

Client:	London Square
Ref:	CM89-22405-R0
Date:	6 September 2024
Note by:	Anthony Coraci, MSc DipIOA MIOA, Senior Acoustics Consultant

1. INTRODUCTION

1.1 This Technical Note sets out results of the construction monitoring being carried out at the above site between Monday 19th & Saturday 31st August 2024. The monitoring is being carried out in general agreement with the methodology in the current Section 61 Consent between the London Borough of Islington and OHOB.

2. WEEKLY ACTIVITIES

2.1 The following activities have been carried during the period covered by this report, in addition to the usual use of the Haul Road with site vehicles:

OHOB

- Installation of drainage adjacent to Block D
- Excavation of pilecaps in Blocks C & D
- Excavation of the crane base between Blocks E1 & E2 (completed during the w/c 1st Sep)
- Mobile plant used around the site where required
- Installing the lower ground slab at Blocks C & D3 (completed w/c 1st September)
- Excavation and preparation of pile caps at Block E2
- Construction upper ground floor slab at Block C1

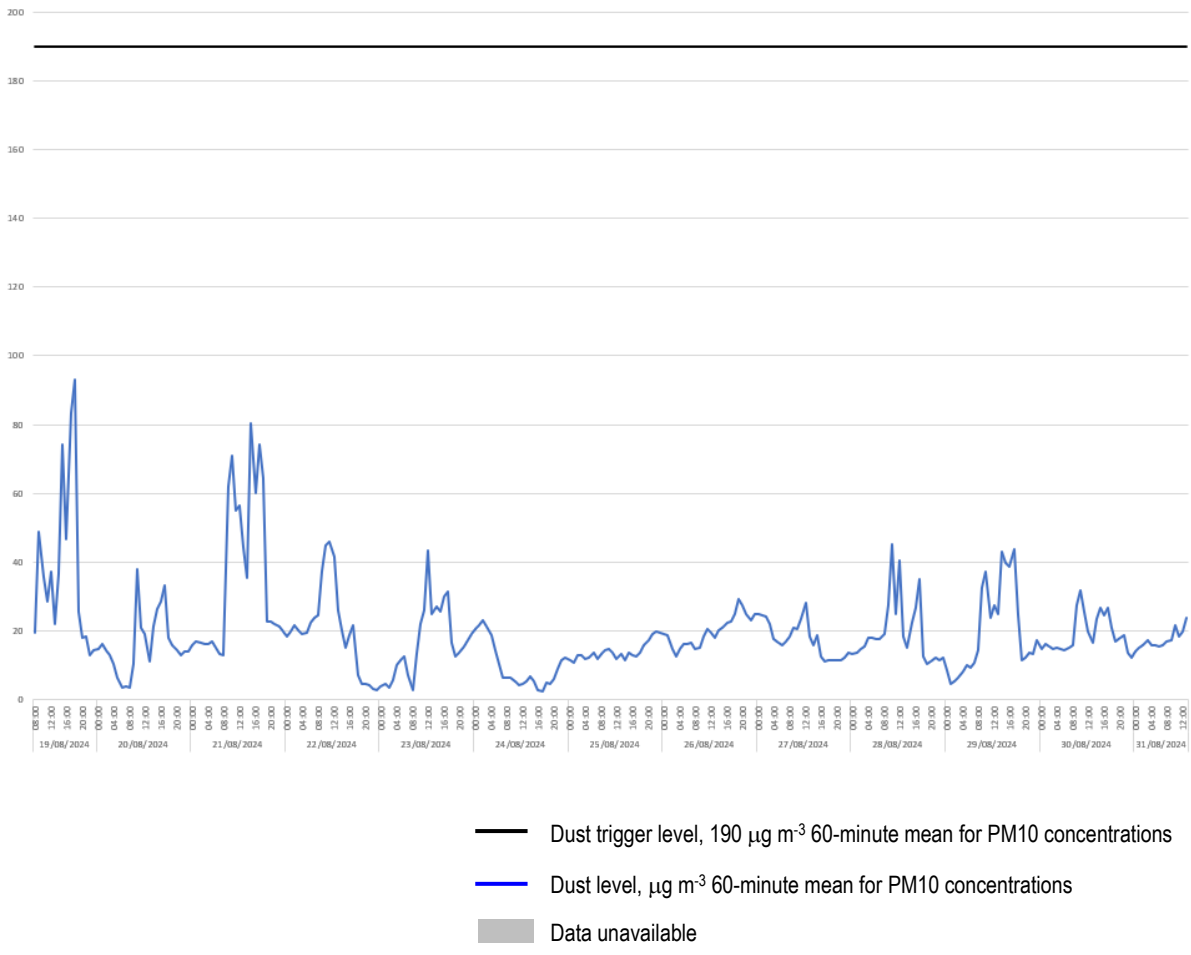
- Installing vertical elements including retaining walls – Blocks D2 & D3
- Installation of retaining wall on Block C

3. MONITORING DATA

3.1 This section sets out a summary of the monitoring data that has been recorded onsite and provides a discussion of any exceedances and best practicable means incorporated by the site team if exceedances were believed to be construction related.

Dust Monitoring Results

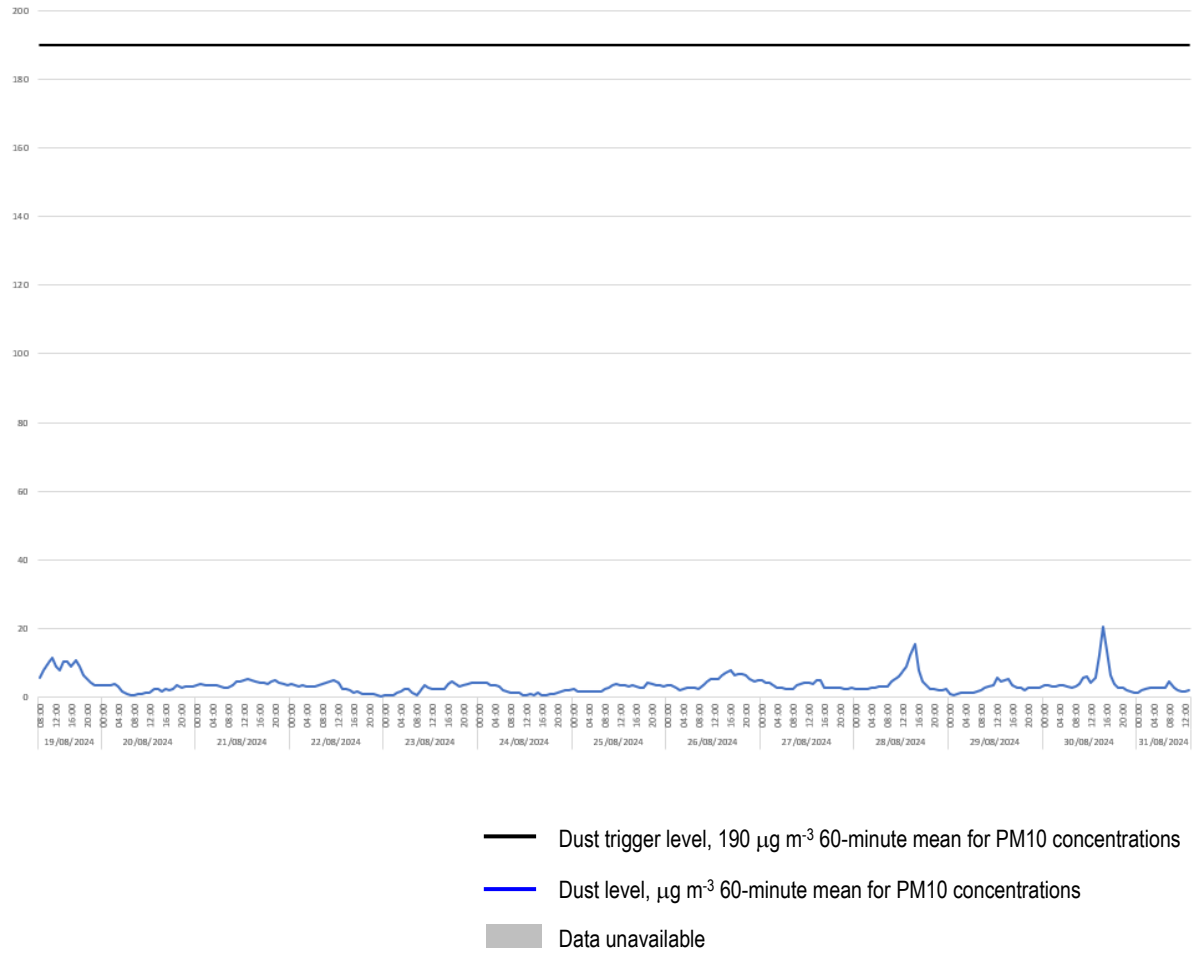
Location 1



3.2 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report.

3.3 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report.

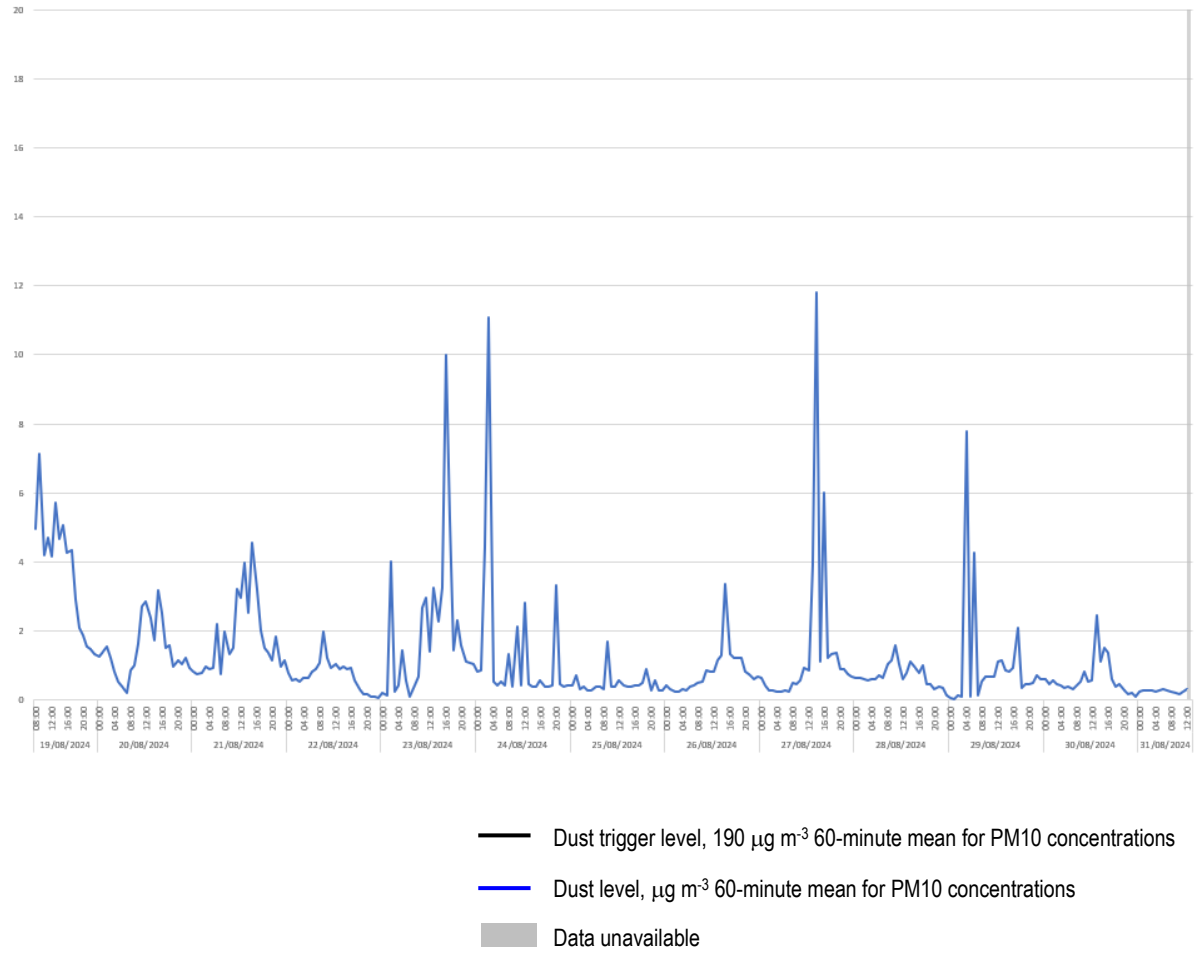
Location 2



3.4 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report.

3.5 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report.

Location 3



3.6 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report.

3.7 No exceedances of the project dust trigger level of 190 micrograms per cubic meter were recorded during the monitoring period covered by this report.

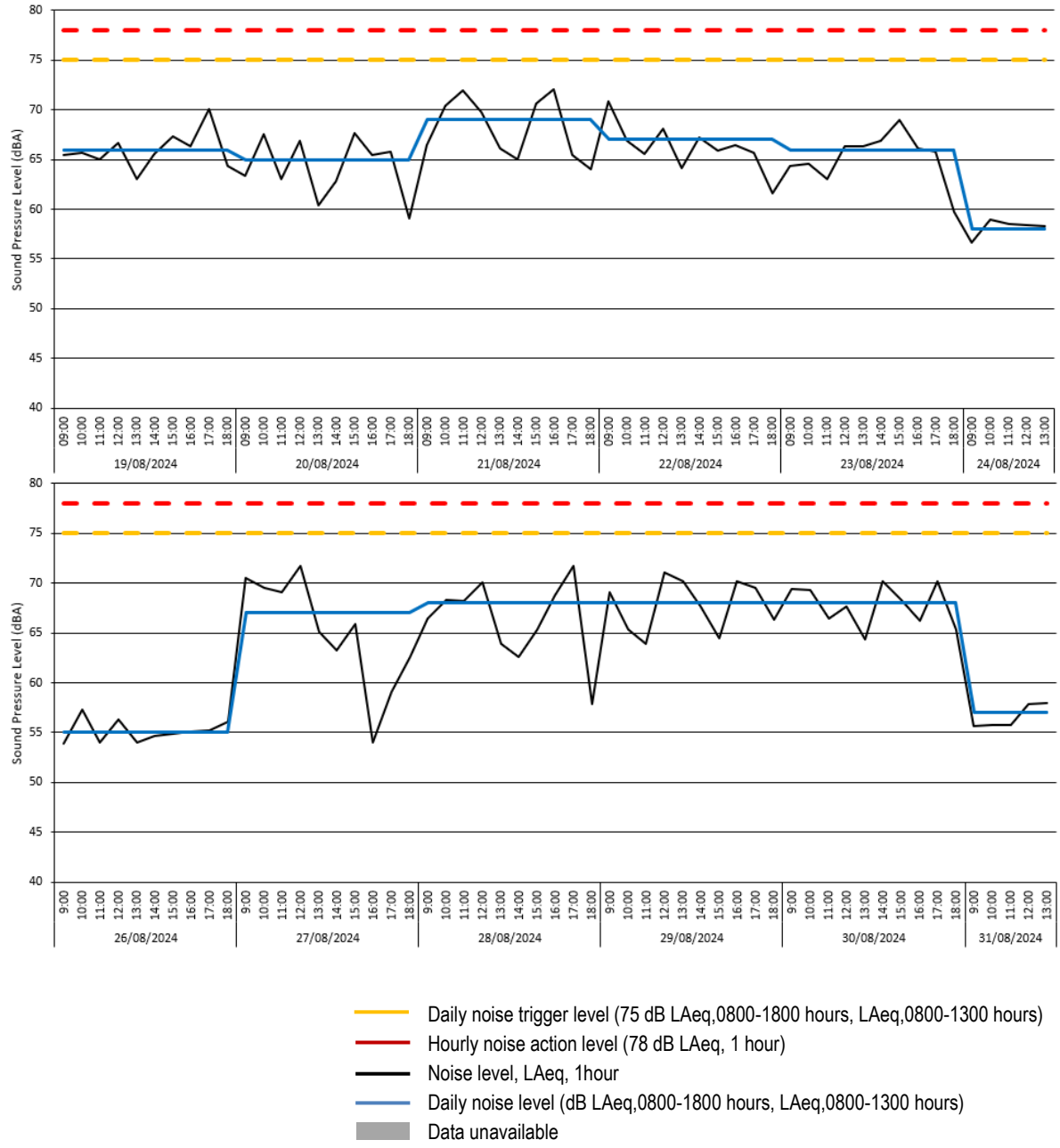
Noise Monitoring Results

Location 1 – Raw Data

Broadband Results

Date [YYYY-MM-DD]	Time [hh:mm:ss]	LAeq(60min) [dB]	LAeq(7hr) [dB]	LAeq(10hr) [dB]	LAeq(5hr) [dB]
2024-08-19	09:00:00	65.5	-.-	-.-	-.-
2024-08-19	10:00:00	65.7	-.-	-.-	-.-
2024-08-19	11:00:00	65.0	-.-	-.-	-.-
2024-08-19	12:00:00	66.7	-.-	-.-	-.-
2024-08-19	13:00:00	63.0	-.-	-.-	-.-
2024-08-19	14:00:00	65.6	-.-	-.-	-.-
2024-08-19	15:00:00	67.3	-.-	-.-	-.-
2024-08-19	16:00:00	66.3	-.-	-.-	-.-
2024-08-19	17:00:00	70.1	-.-	-.-	-.-
2024-08-19	18:00:00	64.3	-.-	66.4	-.-
2024-08-20	09:00:00	63.4	-.-	-.-	-.-
2024-08-20	10:00:00	67.6	-.-	-.-	-.-
2024-08-20	11:00:00	63.0	-.-	-.-	-.-
2024-08-20	12:00:00	66.9	-.-	-.-	-.-
2024-08-20	13:00:00	60.4	-.-	-.-	-.-
2024-08-20	14:00:00	62.8	-.-	-.-	-.-
2024-08-20	15:00:00	67.7	-.-	-.-	-.-
2024-08-20	16:00:00	65.4	-.-	-.-	-.-
2024-08-20	17:00:00	65.8	-.-	-.-	-.-
2024-08-20	18:00:00	59.1	-.-	65.0	-.-
2024-08-21	09:00:00	66.4	-.-	-.-	-.-
2024-08-21	10:00:00	70.4	-.-	-.-	-.-
2024-08-21	11:00:00	72.0	-.-	-.-	-.-
2024-08-21	12:00:00	69.8	-.-	-.-	-.-
2024-08-21	13:00:00	66.1	-.-	-.-	-.-
2024-08-21	14:00:00	65.0	-.-	-.-	-.-
2024-08-21	15:00:00	70.6	-.-	-.-	-.-
2024-08-21	16:00:00	72.1	-.-	-.-	-.-
2024-08-21	17:00:00	65.5	-.-	-.-	-.-
2024-08-21	18:00:00	64.0	-.-	69.1	-.-
2024-08-22	09:00:00	70.8	-.-	-.-	-.-
2024-08-22	10:00:00	66.9	-.-	-.-	-.-
2024-08-22	11:00:00	65.6	-.-	-.-	-.-
2024-08-22	12:00:00	68.1	-.-	-.-	-.-
2024-08-22	13:00:00	64.1	-.-	-.-	-.-
2024-08-22	14:00:00	67.2	-.-	-.-	-.-
2024-08-22	15:00:00	65.9	-.-	-.-	-.-
2024-08-22	16:00:00	66.4	-.-	-.-	-.-
2024-08-22	17:00:00	65.7	-.-	-.-	-.-
2024-08-22	18:00:00	61.6	-.-	66.8	-.-
2024-08-23	09:00:00	64.3	-.-	-.-	-.-
2024-08-23	10:00:00	64.6	-.-	-.-	-.-
2024-08-23	11:00:00	63.0	-.-	-.-	-.-
2024-08-23	12:00:00	66.3	-.-	-.-	-.-
2024-08-23	13:00:00	66.3	-.-	-.-	-.-
2024-08-23	14:00:00	66.9	-.-	-.-	-.-
2024-08-23	15:00:00	69.0	-.-	-.-	-.-
2024-08-23	16:00:00	66.1	-.-	-.-	-.-
2024-08-23	17:00:00	65.8	-.-	-.-	-.-
2024-08-23	18:00:00	59.7	-.-	65.8	-.-
2024-08-24	09:00:00	56.6	-.-	-.-	-.-
2024-08-24	10:00:00	58.9	-.-	-.-	-.-
2024-08-24	11:00:00	58.5	-.-	-.-	-.-
2024-08-24	12:00:00	58.4	-.-	-.-	-.-
2024-08-24	13:00:00	58.3	-.-	-.-	58.2
2024-08-25	18:00:00	-.-	-.-	55.5	-.-
2024-08-26	09:00:00	53.9	-.-	-.-	-.-
2024-08-26	10:00:00	57.3	-.-	-.-	-.-
2024-08-26	11:00:00	54.0	-.-	-.-	-.-
2024-08-26	12:00:00	56.3	-.-	-.-	-.-
2024-08-26	13:00:00	54.0	-.-	-.-	-.-
2024-08-26	14:00:00	54.7	-.-	-.-	-.-
2024-08-26	15:00:00	54.9	-.-	-.-	-.-
2024-08-26	16:00:00	55.1	-.-	-.-	-.-
2024-08-26	17:00:00	55.2	-.-	-.-	-.-
2024-08-26	18:00:00	56.1	-.-	55.3	-.-
2024-08-27	09:00:00	70.5	-.-	-.-	-.-
2024-08-27	10:00:00	69.5	-.-	-.-	-.-
2024-08-27	11:00:00	69.1	-.-	-.-	-.-
2024-08-27	12:00:00	71.7	-.-	-.-	-.-
2024-08-27	13:00:00	65.1	-.-	-.-	-.-
2024-08-27	14:00:00	63.2	-.-	-.-	-.-
2024-08-27	15:00:00	65.9	-.-	-.-	-.-
2024-08-27	16:00:00	54.0	-.-	-.-	-.-
2024-08-27	17:00:00	59.1	-.-	-.-	-.-
2024-08-27	18:00:00	62.6	-.-	67.4	-.-
2024-08-28	09:00:00	66.5	-.-	-.-	-.-
2024-08-28	10:00:00	68.3	-.-	-.-	-.-
2024-08-28	11:00:00	68.2	-.-	-.-	-.-
2024-08-28	12:00:00	70.1	-.-	-.-	-.-
2024-08-28	13:00:00	63.9	-.-	-.-	-.-
2024-08-28	14:00:00	62.6	-.-	-.-	-.-
2024-08-28	15:00:00	65.3	-.-	-.-	-.-
2024-08-28	16:00:00	68.8	-.-	-.-	-.-
2024-08-28	17:00:00	71.7	-.-	-.-	-.-
2024-08-28	18:00:00	57.8	-.-	67.7	-.-
2024-08-29	09:00:00	69.1	-.-	-.-	-.-
2024-08-29	10:00:00	65.3	-.-	-.-	-.-
2024-08-29	11:00:00	63.9	-.-	-.-	-.-
2024-08-29	12:00:00	71.1	-.-	-.-	-.-
2024-08-29	13:00:00	70.2	-.-	-.-	-.-
2024-08-29	14:00:00	67.7	-.-	-.-	-.-
2024-08-29	15:00:00	64.5	-.-	-.-	-.-
2024-08-29	16:00:00	70.2	-.-	-.-	-.-
2024-08-29	17:00:00	69.5	-.-	-.-	-.-
2024-08-29	18:00:00	66.3	-.-	68.4	-.-
2024-08-30	09:00:00	69.4	-.-	-.-	-.-
2024-08-30	10:00:00	69.3	-.-	-.-	-.-
2024-08-30	11:00:00	66.5	-.-	-.-	-.-
2024-08-30	12:00:00	67.7	-.-	-.-	-.-
2024-08-30	13:00:00	64.4	-.-	-.-	-.-
2024-08-30	14:00:00	70.2	-.-	-.-	-.-
2024-08-30	15:00:00	68.3	-.-	-.-	-.-
2024-08-30	16:00:00	66.2	-.-	-.-	-.-
2024-08-30	17:00:00	70.2	-.-	-.-	-.-
2024-08-30	18:00:00	65.3	-.-	68.2	-.-
2024-08-31	09:00:00	55.6	-.-	-.-	-.-
2024-08-31	10:00:00	55.8	-.-	-.-	-.-
2024-08-31	11:00:00	55.8	-.-	-.-	-.-
2024-08-31	12:00:00	57.9	-.-	-.-	-.-
2024-08-31	13:00:00	58.0	-.-	-.-	56.8

Location 1 – Time History Data



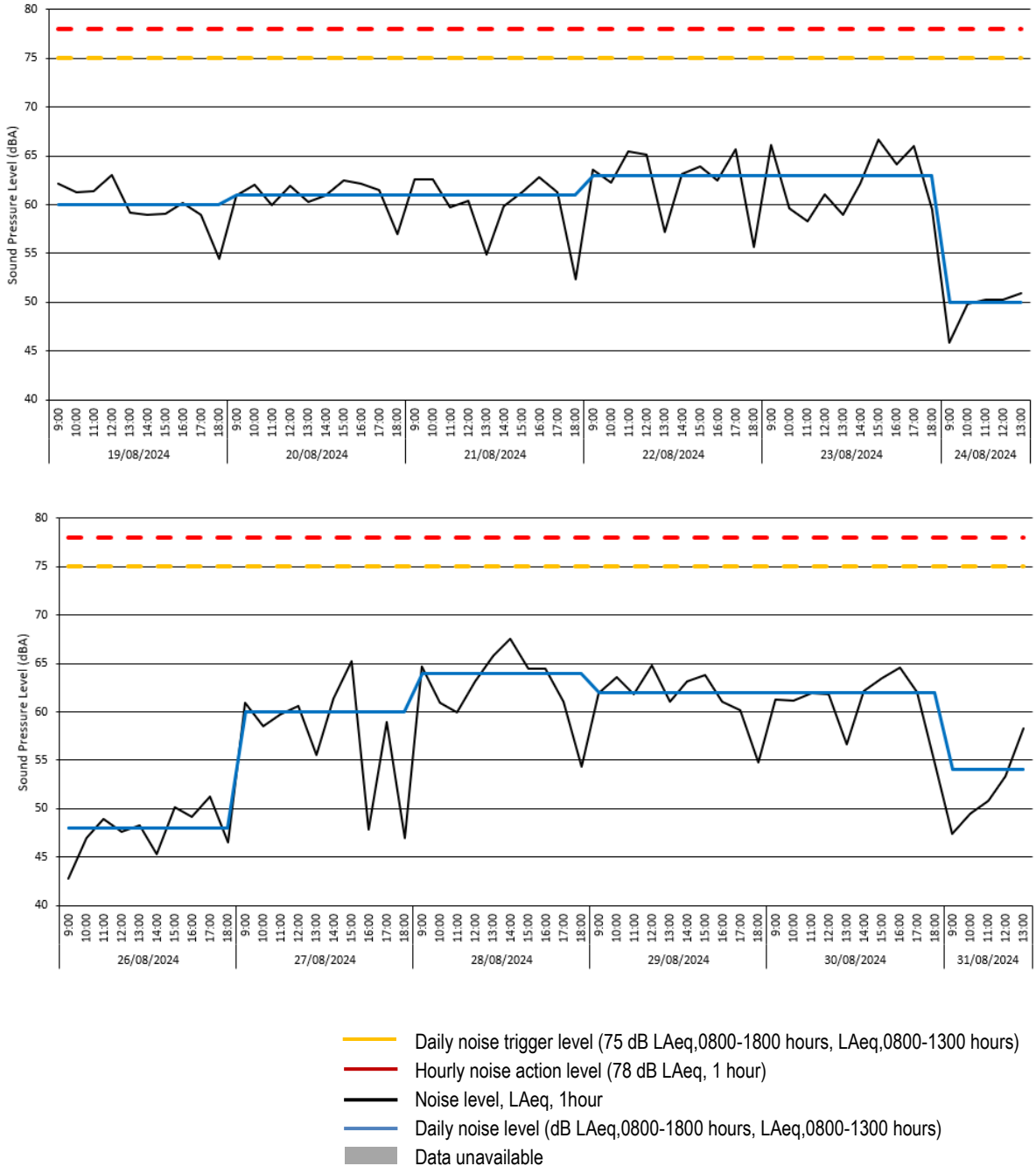
3.8 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report. No exceedances of the project hourly noise criteria of 78 dB LAeq were recorded during the monitoring period covered by this report. No exceedances of the daily project noise limit of 75 dB LAeq (0800-1800 hours) were recorded at this location during the monitoring period covered by this report.

Location 2 – Raw Data

Broadband Results

Date [YYYY-MM-DD]	Time [hh:mm:ss]	LAeq(60min) [dB]	LAeq(10hr) [dB]	LAeq(5hr) [dB]
2024-08-19	09:00:00	62.2	-.-	-.-
2024-08-19	10:00:00	61.3	-.-	-.-
2024-08-19	11:00:00	61.4	-.-	-.-
2024-08-19	12:00:00	63.0	-.-	-.-
2024-08-19	13:00:00	59.2	-.-	-.-
2024-08-19	14:00:00	59.0	-.-	-.-
2024-08-19	15:00:00	59.1	-.-	-.-
2024-08-19	16:00:00	60.2	-.-	-.-
2024-08-19	17:00:00	59.0	-.-	-.-
2024-08-19	18:00:00	54.4	60.4	-.-
2024-08-20	09:00:00	60.9	-.-	-.-
2024-08-20	10:00:00	62.0	-.-	-.-
2024-08-20	11:00:00	59.9	-.-	-.-
2024-08-20	12:00:00	61.9	-.-	-.-
2024-08-20	13:00:00	60.3	-.-	-.-
2024-08-20	14:00:00	60.9	-.-	-.-
2024-08-20	15:00:00	62.5	-.-	-.-
2024-08-20	16:00:00	62.2	-.-	-.-
2024-08-20	17:00:00	61.5	-.-	-.-
2024-08-20	18:00:00	57.0	61.1	-.-
2024-08-21	09:00:00	62.6	-.-	-.-
2024-08-21	10:00:00	62.6	-.-	-.-
2024-08-21	11:00:00	59.7	-.-	-.-
2024-08-21	12:00:00	60.4	-.-	-.-
2024-08-21	13:00:00	54.9	-.-	-.-
2024-08-21	14:00:00	59.8	-.-	-.-
2024-08-21	15:00:00	61.3	-.-	-.-
2024-08-21	16:00:00	62.8	-.-	-.-
2024-08-21	17:00:00	61.3	-.-	-.-
2024-08-21	18:00:00	52.3	60.7	-.-
2024-08-22	09:00:00	63.6	-.-	-.-
2024-08-22	10:00:00	62.3	-.-	-.-
2024-08-22	11:00:00	65.5	-.-	-.-
2024-08-22	12:00:00	65.1	-.-	-.-
2024-08-22	13:00:00	57.2	-.-	-.-
2024-08-22	14:00:00	63.1	-.-	-.-
2024-08-22	15:00:00	63.9	-.-	-.-
2024-08-22	16:00:00	62.5	-.-	-.-
2024-08-22	17:00:00	65.7	-.-	-.-
2024-08-22	18:00:00	55.7	63.4	-.-
2024-08-23	09:00:00	66.1	-.-	-.-
2024-08-23	10:00:00	59.6	-.-	-.-
2024-08-23	11:00:00	58.3	-.-	-.-
2024-08-23	12:00:00	61.0	-.-	-.-
2024-08-23	13:00:00	59.0	-.-	-.-
2024-08-23	14:00:00	62.1	-.-	-.-
2024-08-23	15:00:00	66.7	-.-	-.-
2024-08-23	16:00:00	64.1	-.-	-.-
2024-08-23	17:00:00	66.0	-.-	-.-
2024-08-23	18:00:00	59.5	63.3	-.-
2024-08-24	09:00:00	45.9	-.-	-.-
2024-08-24	10:00:00	49.8	-.-	-.-
2024-08-24	11:00:00	50.2	-.-	-.-
2024-08-24	12:00:00	50.2	-.-	-.-
2024-08-24	13:00:00	50.9	-.-	49.7
2024-08-25	18:00:00	-.-	50.4	-.-
2024-08-26	09:00:00	42.8	-.-	-.-
2024-08-26	10:00:00	46.9	-.-	-.-
2024-08-26	11:00:00	48.9	-.-	-.-
2024-08-26	12:00:00	47.6	-.-	-.-
2024-08-26	13:00:00	48.3	-.-	-.-
2024-08-26	14:00:00	45.3	-.-	-.-
2024-08-26	15:00:00	50.1	-.-	-.-
2024-08-26	16:00:00	49.1	-.-	-.-
2024-08-26	17:00:00	51.2	-.-	-.-
2024-08-26	18:00:00	46.5	48.2	-.-
2024-08-27	09:00:00	60.9	-.-	-.-
2024-08-27	10:00:00	58.5	-.-	-.-
2024-08-27	11:00:00	59.7	-.-	-.-
2024-08-27	12:00:00	60.6	-.-	-.-
2024-08-27	13:00:00	55.5	-.-	-.-
2024-08-27	14:00:00	61.4	-.-	-.-
2024-08-27	15:00:00	65.2	-.-	-.-
2024-08-27	16:00:00	47.8	-.-	-.-
2024-08-27	17:00:00	59.0	-.-	-.-
2024-08-27	18:00:00	47.0	60.0	-.-
2024-08-28	09:00:00	64.7	-.-	-.-
2024-08-28	10:00:00	60.9	-.-	-.-
2024-08-28	11:00:00	60.0	-.-	-.-
2024-08-28	12:00:00	63.1	-.-	-.-
2024-08-28	13:00:00	65.8	-.-	-.-
2024-08-28	14:00:00	67.5	-.-	-.-
2024-08-28	15:00:00	64.5	-.-	-.-
2024-08-28	16:00:00	64.5	-.-	-.-
2024-08-28	17:00:00	61.0	-.-	-.-
2024-08-28	18:00:00	54.3	63.8	-.-
2024-08-29	09:00:00	61.9	-.-	-.-
2024-08-29	10:00:00	63.6	-.-	-.-
2024-08-29	11:00:00	61.8	-.-	-.-
2024-08-29	12:00:00	64.8	-.-	-.-
2024-08-29	13:00:00	61.0	-.-	-.-
2024-08-29	14:00:00	63.1	-.-	-.-
2024-08-29	15:00:00	63.8	-.-	-.-
2024-08-29	16:00:00	61.1	-.-	-.-
2024-08-29	17:00:00	60.2	-.-	-.-
2024-08-29	18:00:00	54.8	62.2	-.-
2024-08-30	09:00:00	61.3	-.-	-.-
2024-08-30	10:00:00	61.2	-.-	-.-
2024-08-30	11:00:00	61.9	-.-	-.-
2024-08-30	12:00:00	61.8	-.-	-.-
2024-08-30	13:00:00	56.6	-.-	-.-
2024-08-30	14:00:00	62.1	-.-	-.-
2024-08-30	15:00:00	63.5	-.-	-.-
2024-08-30	16:00:00	64.6	-.-	-.-
2024-08-30	17:00:00	62.0	-.-	-.-
2024-08-30	18:00:00	54.5	61.7	-.-
2024-08-31	09:00:00	47.4	-.-	-.-
2024-08-31	10:00:00	49.5	-.-	-.-
2024-08-31	11:00:00	50.8	-.-	-.-
2024-08-31	12:00:00	53.3	-.-	-.-
2024-08-31	13:00:00	58.3	-.-	53.6

Location 2 – Time History Data



3.9 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report.

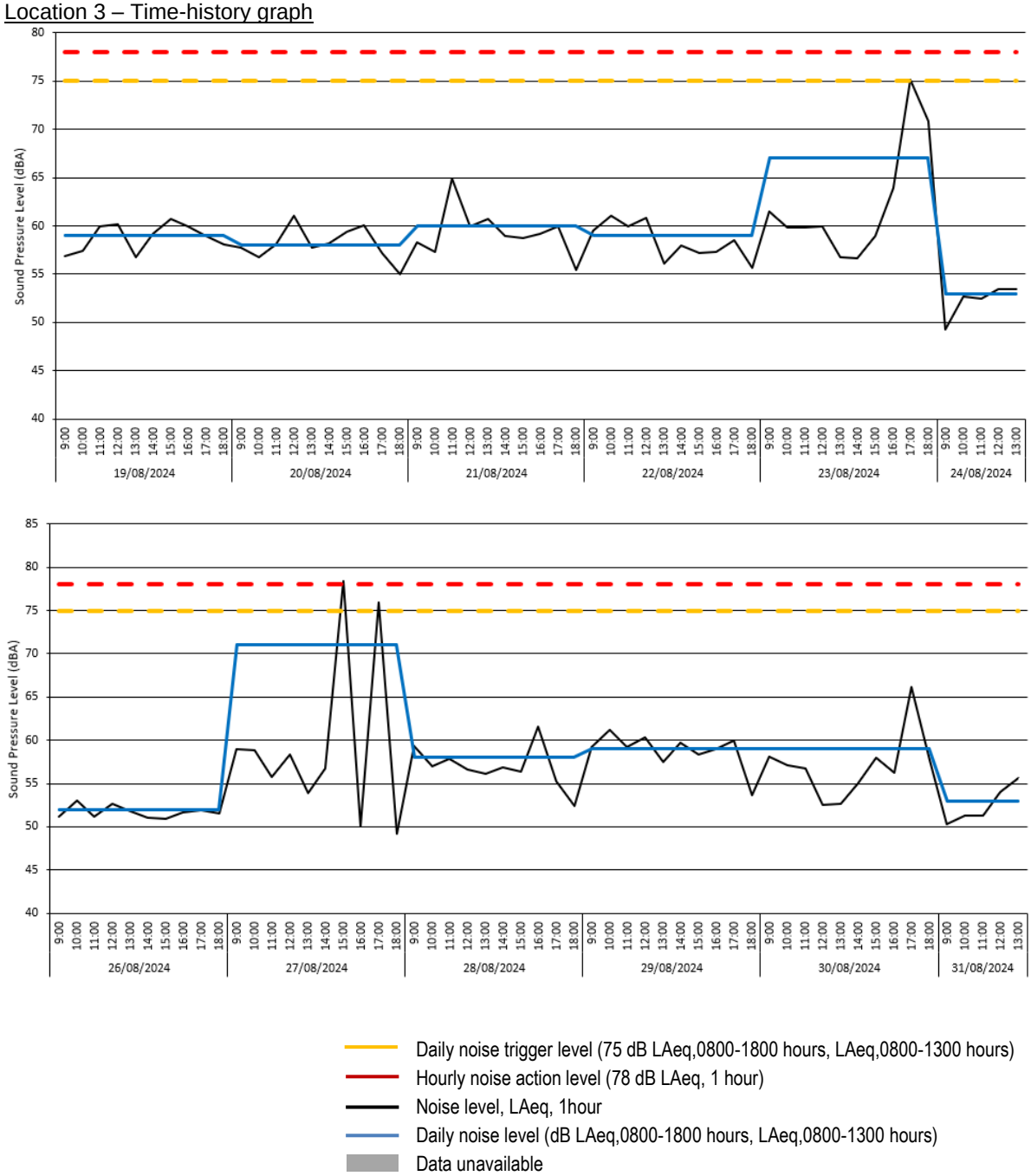
3.10 No exceedances of the project hourly noise criteria of 78 dB LAeq nor the daily project noise limit of 75 dB LAeq (0800-1800 hours) were recorded at this location during the monitoring period covered by this report.

Location 3 – Raw Data

Broadband Results

Date [YYYY-MM-DD]	Time [hh:mm:ss]	LAeq(60min) [dB]	LAeq(10hr) [dB]	LAeq(5hr) [dB]
2024-08-19	09:00:00	56.9	-.-	-.-
2024-08-19	10:00:00	57.4	-.-	-.-
2024-08-19	11:00:00	59.9	-.-	-.-
2024-08-19	12:00:00	60.2	-.-	-.-
2024-08-19	13:00:00	56.7	-.-	-.-
2024-08-19	14:00:00	59.2	-.-	-.-
2024-08-19	15:00:00	60.7	-.-	-.-
2024-08-19	16:00:00	59.9	-.-	-.-
2024-08-19	17:00:00	59.0	-.-	-.-
2024-08-19	18:00:00	58.1	59.0	-.-
2024-08-20	09:00:00	57.7	-.-	-.-
2024-08-20	10:00:00	56.8	-.-	-.-
2024-08-20	11:00:00	58.1	-.-	-.-
2024-08-20	12:00:00	61.0	-.-	-.-
2024-08-20	13:00:00	57.7	-.-	-.-
2024-08-20	14:00:00	58.2	-.-	-.-
2024-08-20	15:00:00	59.4	-.-	-.-
2024-08-20	16:00:00	60.1	-.-	-.-
2024-08-20	17:00:00	57.2	-.-	-.-
2024-08-20	18:00:00	55.0	58.4	-.-
2024-08-21	09:00:00	58.3	-.-	-.-
2024-08-21	10:00:00	57.3	-.-	-.-
2024-08-21	11:00:00	64.9	-.-	-.-
2024-08-21	12:00:00	59.9	-.-	-.-
2024-08-21	13:00:00	60.7	-.-	-.-
2024-08-21	14:00:00	58.9	-.-	-.-
2024-08-21	15:00:00	58.7	-.-	-.-
2024-08-21	16:00:00	59.2	-.-	-.-
2024-08-21	17:00:00	59.9	-.-	-.-
2024-08-21	18:00:00	55.4	60.1	-.-
2024-08-22	09:00:00	59.5	-.-	-.-
2024-08-22	10:00:00	61.0	-.-	-.-
2024-08-22	11:00:00	59.9	-.-	-.-
2024-08-22	12:00:00	60.8	-.-	-.-
2024-08-22	13:00:00	56.1	-.-	-.-
2024-08-22	14:00:00	58.0	-.-	-.-
2024-08-22	15:00:00	57.2	-.-	-.-
2024-08-22	16:00:00	57.3	-.-	-.-
2024-08-22	17:00:00	58.5	-.-	-.-
2024-08-22	18:00:00	55.7	58.7	-.-
2024-08-23	09:00:00	61.5	-.-	-.-
2024-08-23	10:00:00	59.8	-.-	-.-
2024-08-23	11:00:00	59.8	-.-	-.-
2024-08-23	12:00:00	59.9	-.-	-.-
2024-08-23	13:00:00	56.8	-.-	-.-
2024-08-23	14:00:00	56.6	-.-	-.-
2024-08-23	15:00:00	59.0	-.-	-.-
2024-08-23	16:00:00	63.9	-.-	-.-
2024-08-23	17:00:00	75.1	-.-	-.-
2024-08-23	18:00:00	70.9	67.2	-.-
2024-08-24	09:00:00	49.3	-.-	-.-
2024-08-24	10:00:00	52.7	-.-	-.-
2024-08-24	11:00:00	52.4	-.-	-.-
2024-08-24	12:00:00	53.5	-.-	-.-
2024-08-24	13:00:00	53.4	-.-	52.5
2024-08-25	18:00:00	-.-	54.6	-.-
2024-08-26	09:00:00	51.1	-.-	-.-
2024-08-26	10:00:00	53.0	-.-	-.-
2024-08-26	11:00:00	51.1	-.-	-.-
2024-08-26	12:00:00	52.6	-.-	-.-
2024-08-26	13:00:00	51.8	-.-	-.-
2024-08-26	14:00:00	51.0	-.-	-.-
2024-08-26	15:00:00	50.9	-.-	-.-
2024-08-26	16:00:00	51.7	-.-	-.-
2024-08-26	17:00:00	51.9	-.-	-.-
2024-08-26	18:00:00	51.5	51.7	-.-
2024-08-27	09:00:00	59.0	-.-	-.-
2024-08-27	10:00:00	58.9	-.-	-.-
2024-08-27	11:00:00	55.8	-.-	-.-
2024-08-27	12:00:00	58.4	-.-	-.-
2024-08-27	13:00:00	53.9	-.-	-.-
2024-08-27	14:00:00	56.7	-.-	-.-
2024-08-27	15:00:00	78.4	-.-	-.-
2024-08-27	16:00:00	50.1	-.-	-.-
2024-08-27	17:00:00	75.9	-.-	-.-
2024-08-27	18:00:00	49.2	70.5	-.-
2024-08-28	09:00:00	59.4	-.-	-.-
2024-08-28	10:00:00	57.0	-.-	-.-
2024-08-28	11:00:00	57.9	-.-	-.-
2024-08-28	12:00:00	56.6	-.-	-.-
2024-08-28	13:00:00	56.1	-.-	-.-
2024-08-28	14:00:00	56.9	-.-	-.-
2024-08-28	15:00:00	56.4	-.-	-.-
2024-08-28	16:00:00	61.6	-.-	-.-
2024-08-28	17:00:00	55.3	-.-	-.-
2024-08-28	18:00:00	52.4	57.6	-.-
2024-08-29	09:00:00	59.2	-.-	-.-
2024-08-29	10:00:00	61.2	-.-	-.-
2024-08-29	11:00:00	59.2	-.-	-.-
2024-08-29	12:00:00	60.3	-.-	-.-
2024-08-29	13:00:00	57.5	-.-	-.-
2024-08-29	14:00:00	59.7	-.-	-.-
2024-08-29	15:00:00	58.4	-.-	-.-
2024-08-29	16:00:00	59.0	-.-	-.-
2024-08-29	17:00:00	60.0	-.-	-.-
2024-08-29	18:00:00	53.6	59.2	-.-
2024-08-30	09:00:00	58.1	-.-	-.-
2024-08-30	10:00:00	57.1	-.-	-.-
2024-08-30	11:00:00	56.8	-.-	-.-
2024-08-30	12:00:00	52.5	-.-	-.-
2024-08-30	13:00:00	52.7	-.-	-.-
2024-08-30	14:00:00	55.0	-.-	-.-
2024-08-30	15:00:00	58.0	-.-	-.-
2024-08-30	16:00:00	56.3	-.-	-.-
2024-08-30	17:00:00	66.1	-.-	-.-
2024-08-30	18:00:00	57.7	59.1	-.-
2024-08-31	09:00:00	50.3	-.-	-.-
2024-08-31	10:00:00	51.3	-.-	-.-
2024-08-31	11:00:00	51.3	-.-	-.-
2024-08-31	12:00:00	54.0	-.-	-.-
2024-08-31	13:00:00	55.6	-.-	52.9

Location 3 – Time-history graph



3.11 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report.

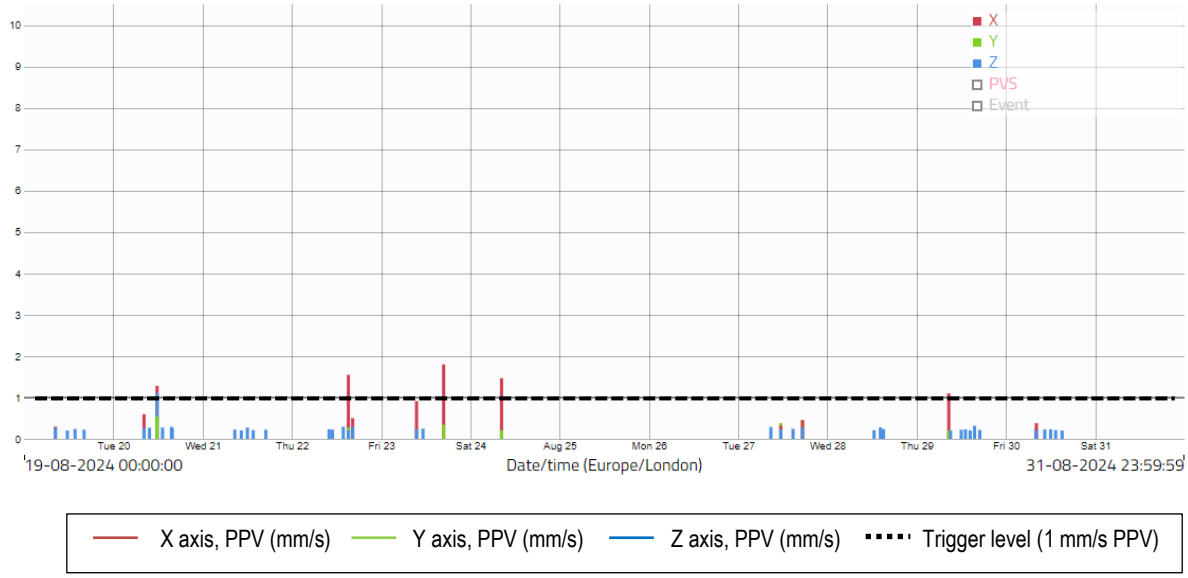
3.12 No exceedances of the daily project noise limit of 75 dB LAeq (0800-1800 hours) were recorded at this location during the monitoring period covered by this report. One exceedance of the project hourly noise criteria of 78 dB LAeq was recorded at this location during the monitoring period. This occurred between 14:00 & 15:00 on Tuesday 27th August, with a measured noise level of 78.4 dB LAeq,1hr. Site management confirmed that this was caused by helicopter noise from an air ambulance.

Vibration Monitoring Results

Location 1 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L1	19/08/2024 to 31/08/2024	1	1.80	23/08/2024	12:09
		2	1.55	22/08/2024	14:34
Criteria mm/s PPV	Exceedances	3	1.47	24/08/2024	08:08
1.0	5	4	1.28	20/08/2024	11:43
		5	1.10	28/08/2024	15:04
		6	0.91	23/08/2024	08:55
		7	0.60	19/08/2024	16:29
		8	0.50	22/08/2024	15:12
		9	0.49	20/08/2024	10:50
		10	0.45	27/08/2024	14:46

Location 1 – Time-history graph



3.13 There was 100% data coverage at Location 1 during construction hours for the monitoring period covered by this report. There were five exceedances of the project vibration trigger level of 1 mm/s PPV as shown in the raw data and graph above. The highest recorded vibration level occurred on Friday 23rd August at 12:09, with a recorded level of 1.8 mm/s PPV. It is worth noting from the raw data above that the exceedances were caused by individual, short-lived events, rather than continuous activity at this location. This will continue to be monitored.

3.14 In this location, it is likely that the residents opening and closing the main door to the residential building will cause occasional vibration spikes, given that the monitor is located on the same facade as the doors.

Location 2 – Raw data

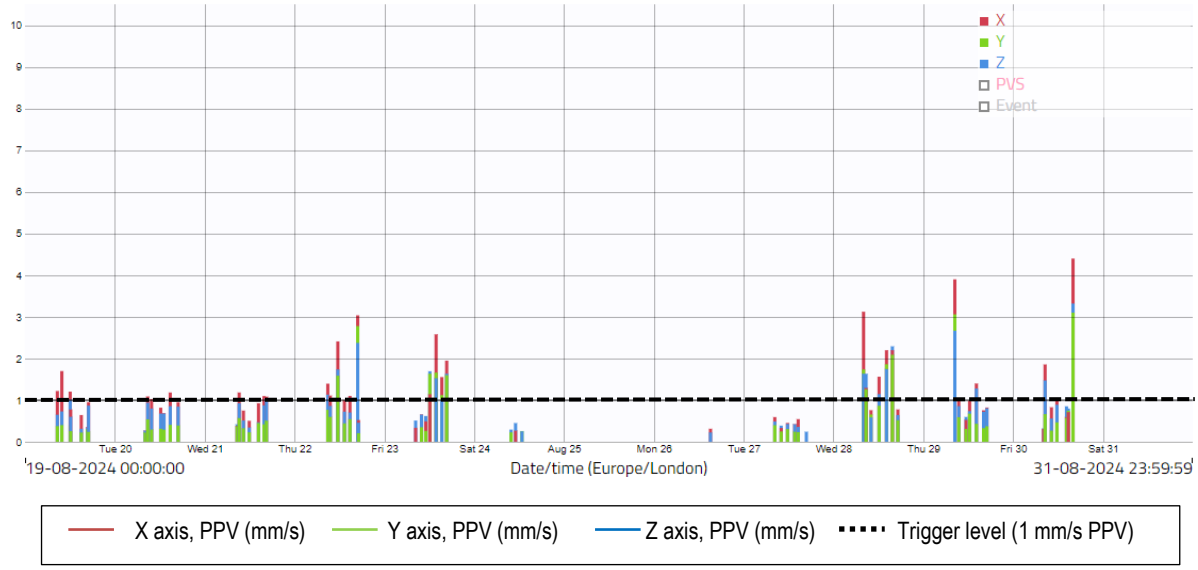
Measuring point:	Period:
Holloway - L2	19/08/2024 to 31/08/2024
Criteria mm/s PPV	Exceedances
1.0	103

Order	Value	Date	Time
1	4.40	30/08/2024	16:00
2	3.90	29/08/2024	08:25
3	3.12	28/08/2024	08:02
4	3.03	22/08/2024	16:54
5	2.78	22/08/2024	16:52
6	2.58	23/08/2024	13:49
7	2.41	22/08/2024	11:33
8	2.41	22/08/2024	11:34
9	2.29	28/08/2024	15:44
10	2.20	28/08/2024	13:42
11	2.20	28/08/2024	15:49
12	2.13	28/08/2024	14:10
13	2.09	28/08/2024	15:47
14	1.95	23/08/2024	16:22
15	1.94	22/08/2024	11:39
16	1.91	30/08/2024	16:05
17	1.90	30/08/2024	16:11
18	1.86	22/08/2024	16:51
19	1.86	30/08/2024	08:32
20	1.71	23/08/2024	16:42
21	1.70	19/08/2024	09:49
22	1.70	23/08/2024	13:46
23	1.69	23/08/2024	12:09
24	1.68	30/08/2024	08:34
25	1.67	22/08/2024	16:07
26	1.65	22/08/2024	16:43
27	1.63	28/08/2024	08:42
28	1.63	28/08/2024	15:41
29	1.62	23/08/2024	16:36
30	1.60	23/08/2024	16:54

Order	Value	Date	Time
31	1.56	28/08/2024	12:11
32	1.55	23/08/2024	15:21
33	1.51	28/08/2024	14:16
34	1.50	23/08/2024	16:39
35	1.50	23/08/2024	16:52
36	1.48	28/08/2024	08:23
37	1.41	30/08/2024	16:07
38	1.40	29/08/2024	14:11
39	1.39	22/08/2024	09:08
40	1.37	22/08/2024	08:53
41	1.36	22/08/2024	08:49
42	1.35	30/08/2024	08:33
43	1.31	23/08/2024	16:53
44	1.30	29/08/2024	14:15
45	1.30	30/08/2024	16:10
46	1.30	28/08/2024	15:40
47	1.30	22/08/2024	08:56
48	1.29	23/08/2024	16:30
49	1.28	22/08/2024	10:58
50	1.25	28/08/2024	15:32
51	1.24	28/08/2024	15:12
52	1.24	30/08/2024	16:02
53	1.23	23/08/2024	16:16
54	1.22	22/08/2024	16:22
55	1.22	19/08/2024	08:37
56	1.21	29/08/2024	14:13
57	1.21	28/08/2024	14:12
58	1.21	22/08/2024	11:10
59	1.20	19/08/2024	12:03
60	1.19	28/08/2024	08:18

Order	Value	Date	Time
61	1.19	23/08/2024	12:07
62	1.18	28/08/2024	08:29
63	1.18	21/08/2024	09:11
64	1.18	20/08/2024	14:47
65	1.18	28/08/2024	08:19
66	1.17	23/08/2024	16:31
67	1.15	28/08/2024	11:32
68	1.14	21/08/2024	08:52
69	1.14	28/08/2024	15:38
70	1.14	23/08/2024	11:57
71	1.14	28/08/2024	15:39
72	1.13	23/08/2024	16:35
73	1.13	19/08/2024	12:02
74	1.13	23/08/2024	16:29
75	1.11	30/08/2024	16:04
76	1.11	22/08/2024	09:32
77	1.11	23/08/2024	16:17
78	1.10	22/08/2024	14:48
79	1.10	21/08/2024	14:52
80	1.09	20/08/2024	08:46
81	1.08	21/08/2024	16:29
82	1.07	23/08/2024	15:02
83	1.06	23/08/2024	16:58
84	1.06	23/08/2024	17:02
85	1.05	28/08/2024	13:58
86	1.05	23/08/2024	14:07
87	1.05	29/08/2024	09:28
88	1.05	29/08/2024	14:10
89	1.05	23/08/2024	13:33
90	1.03	23/08/2024	16:59

Location 2 – Time-history graph



3.15 There was 100% data coverage at Location 2 during construction hours for the monitoring period covered by this report. There were 108 exceedances of the project vibration trigger level of 1 mm/s PPV as shown in the raw data and graph above. The highest recorded vibration level occurred on Friday 30th August at 16:00, with a recorded level of 4.4 mm/s PPV.

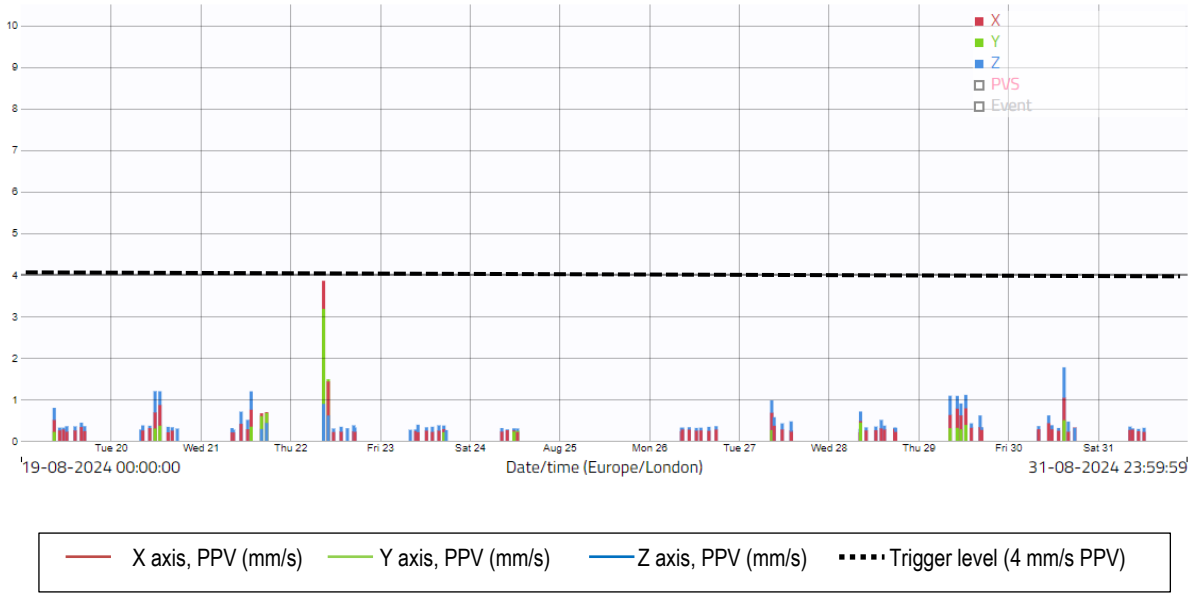
3.16 Based on the activity taking place in the vicinity of the monitor during this monitoring period, it is likely that these alerts may have been caused by the excavation of the crane base between Blocks E1 &E2, or the excavation and preparation of pile caps at Block E2. Additionally, movement of site vehicles within the vicinity of this monitor may have also contributed to the number of exceedances. It is understood that no complaints have been received in relation to vibration at this location – this will continue to be monitored.

3.17 In addition, it is our understanding that one of the residents behind the monitoring location has some form of workshop with power tools at the rear of their garden. Any operation of these tools could also generate vibration alerts.

Location 3 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L3	19/08/2024 to 31/08/2024	1	3.85	22/08/2024	08:46
		2	1.77	30/08/2024	14:56
Criteria mm/s PPV	Exceedances	3	1.48	22/08/2024	10:10
4.0	0	4	1.19	20/08/2024	11:50
		5	1.19	20/08/2024	13:03
		6	1.19	21/08/2024	13:33
		7	1.11	29/08/2024	12:40
		8	1.08	29/08/2024	08:28
		9	1.08	29/08/2024	10:23
		10	1.06	22/08/2024	09:00

Location 3 – Time-history graph

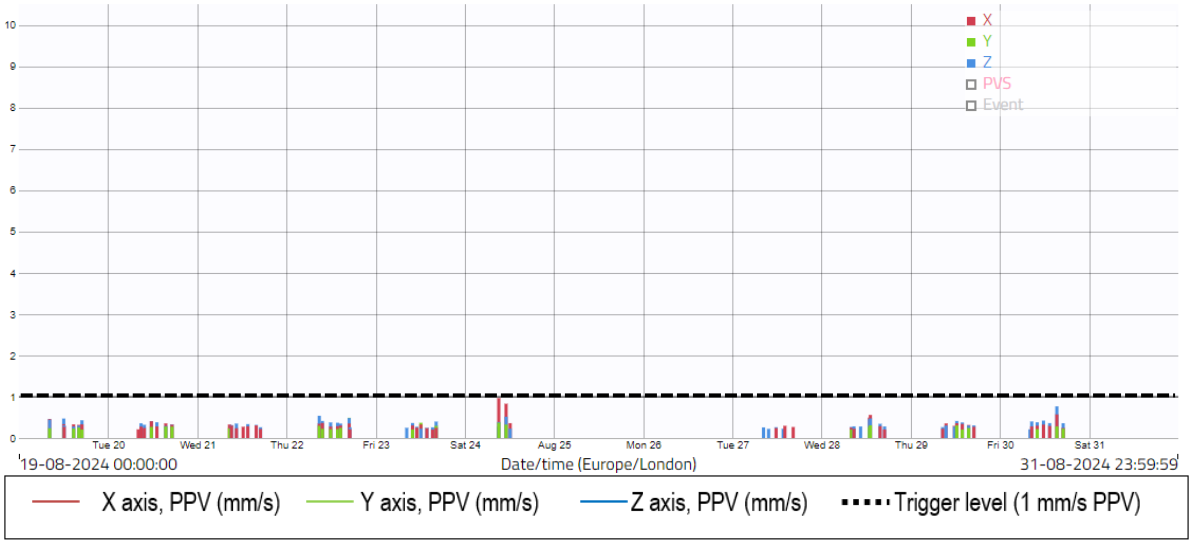


3.18 There was 100% data coverage at Location 3 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 4.0 mm/s PPV, as shown in the raw data and graph above. The highest recorded vibration level occurred on Thursday 22nd August at 08:46, with a recorded level of 3.9 mm/s PPV.

Location 4 – Raw data

Measuring point:	Period:	Order	Value	Date	Time
Holloway - L4	19/08/2024 to 31/08/2024	1	0.96	24/08/2024	09:01
		2	0.83	24/08/2024	10:46
Criteria mm/s PPV	Exceedances	3	0.77	30/08/2024	15:16
1.0	0	4	0.71	24/08/2024	10:39
		5	0.64	24/08/2024	11:06
		6	0.56	28/08/2024	13:37
		7	0.55	28/08/2024	13:07
		8	0.54	22/08/2024	08:49
		9	0.53	24/08/2024	11:26
		10	0.50	28/08/2024	14:15

Location 4 – Time-history graph



3.19 There was 100% data coverage at Location 4 during construction hours for the monitoring period covered by this report. There were no exceedances of the project vibration trigger level of 1.0 mm/s PPV, which are shown in the raw data and graph above. The highest recorded vibration level occurred on Saturday 24th August at 09:01, with a recorded level of 1.0 mm/s PPV.